

Paul A. Brown

Please and add new claims 9 to <sup>37</sup>~~48~~ as follows:

-- <sup>1</sup>~~9~~. A polyphase electricity distribution and/or power

1 transmission network comprising:

2 a plurality of phase conductors;

3 input means for input of a telecommunication signal having a  
4 carrier frequency greater than approximately 1MHz onto at least  
5 one of the phase conductors of the network; and

B<sup>5</sup> 6 output means for removing the telecommunication signal from  
7 at least one other phase conductor of the network.

1 <sup>2</sup>~~10~~. The network as claimed in claim <sup>1</sup>~~9~~, wherein said  
2 telecommunication signal is transmissible over the network in a  
3 plurality of directions simultaneously.

1 <sup>3</sup>~~11~~. The network as claimed in claim <sup>1</sup>~~9~~, wherein the carrier  
2 frequency is within the range of 1MHz to 60MHz.

1 <sup>4</sup>~~12~~. A network according to claim <sup>1</sup>~~9~~, wherein the network  
2 connects a plurality of separate buildings and said  
3 telecommunication signal is transmissible between said buildings.

1 <sup>5</sup>~~13~~. The network as claimed in claim <sup>1</sup>~~9~~, wherein the  
2 telecommunication signal propagates between at least one of the  
3 phase conductors of the network and ground.

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1 <sup>6</sup>  
~~14~~. A network according to claim <sup>5</sup>~~13~~, wherein the input  
2 means is for the input of the telecommunication signal onto only  
3 one of the phase conductors.

1 <sup>7</sup>  
~~15~~. A trunk and branch multipoint electricity distribution  
2 and/or power transmission network including input means for input  
3 onto the network of a telecommunication signal having a carrier  
4 frequency greater than approximately 1MHz and output means for  
5 removing the telecommunication signal from the network.

1 <sup>8</sup>  
~~16~~. The network as claimed in claim <sup>7</sup>~~15~~, wherein said  
2 telecommunication signal is transmissible over the network in a  
3 plurality of directions simultaneously.

1 <sup>9</sup>  
~~17~~. The network as claimed in claim <sup>7</sup>~~15~~, wherein the carrier  
2 frequency is within the range of 1MHz to 60MHz.

1 <sup>10</sup>  
~~18~~. A network according to claim <sup>7</sup>~~15~~, wherein the network  
2 connects a plurality of separate buildings and said  
3 telecommunication signal is transmissible between said buildings.

1 <sup>11</sup>  
~~19~~. A network according to claim <sup>7</sup>~~15~~, including three phase  
2 conductors wherein said input means is for the input of said  
3 telecommunication signal onto one of the phase conductors and

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4 said output means is for removing said telecommunication signal  
5 from at least one other phase conductor.

1 <sup>12</sup>~~20~~. A network according to claim <sup>11</sup>~~19~~, wherein the input  
2 means is for the input of the telecommunication signal onto only  
3 one of the phase conductors.

1 <sup>13</sup>~~21~~. The network as claimed in claim <sup>7</sup>~~15~~, wherein the  
2 telecommunication signal propagates between a phase conductor of  
3 the network and ground.

1 <sup>14</sup>~~22~~. An electricity distribution and/or power transmission  
2 network at least part of which is external to a building, the  
3 network including input means for input onto the network of a  
4 telecommunication signal having a carrier frequency greater than  
5 approximately 1MHz and output means for removing the  
6 telecommunication signal from the network, the telecommunication  
7 signal being transmissible along the external part of the  
8 network.

1 <sup>15</sup>~~23~~. The network as claimed in claim <sup>14</sup>~~22~~, wherein  
2 telecommunication signals are transmissible over the network in a  
3 plurality of directions simultaneously.

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1 <sup>16</sup>  
24. The network as claimed in claim <sup>14</sup>~~22~~, wherein the carrier  
2 frequency is within the range of 1MHz to 60MHz.

1 <sup>17</sup>  
25. A network according to claim <sup>14</sup>~~22~~, wherein the network  
2 connects a plurality of separate buildings and said signal is  
3 transmissible between said buildings.

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C4  
1 <sup>18</sup>  
26. A network according to claim <sup>14</sup>~~22~~, including three phase  
2 conductors wherein said input means is for the input of said  
3 telecommunications signal onto one of the phase conductors and  
4 said output means is for removing said telecommunication signal  
5 from at least one other phase conductor.

1 <sup>19</sup>  
27. A network according to claim <sup>18</sup>~~26~~, wherein the input  
2 means is for the input of the signal onto only one of the phase  
3 conductors.

1 <sup>20</sup>  
28. The network as claimed in claim <sup>14</sup>~~22~~, wherein the  
2 telecommunication signal propagates between a phase conductor of  
3 the network and ground.

4 <sup>21</sup>  
29. A method of signal transmission including:  
5 transmission of a telecommunication signal having a carrier  
6 frequency of greater than approximately 1MHz onto at least one

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7 phase conductor of a polyphase electricity distribution and/or  
8 power transmission network; and

9 subsequent reception of the telecommunication signal from at  
10 least one other phase conductor of the network.

*B5*  
*can 4*  
1 <sup>22</sup>~~30~~. The method as claimed in claim <sup>21</sup>~~29~~, wherein the  
2 telecommunication signal is injected onto only one of the phases  
3 of the network.

1 <sup>23</sup>~~31~~. The method as claimed in claim <sup>21</sup>~~29~~, wherein  
2 telecommunication signals are transmitted over the network in a  
3 plurality of directions simultaneously.

1 <sup>24</sup>~~32~~. The method as claimed in claim <sup>21</sup>~~29~~, wherein the  
2 telecommunication signal is modulated using a spread spectrum  
3 technique.

1 <sup>25</sup>~~33~~. A method of signal transmission including input of a  
2 telecommunication signal having a carrier frequency of greater  
3 than approximately 1MHz onto a trunk and branch multipoint  
4 electricity distribution and/or power transmission network, and  
5 subsequent reception of the telecommunication signal.

1 <sup>26</sup>~~34~~. A method of signal transmission including input of a  
2 telecommunication signal having a carrier frequency of greater

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3 than approximately 1MHz onto an electricity distribution and/or  
4 power transmission network at least part of which is external to  
5 a building and subsequent reception of the telecommunication  
6 signal, the telecommunication signal being transmitted along the  
7 external part of the network.

B5  
end  
27  
1 35. The method as claimed in claim 34, wherein the network  
2 is a polyphase network, and the telecommunication signal is  
3 injected onto only one phase of the network.

28  
1 36. The method as claimed in claim 34, wherein  
2 telecommunication signals are transmitted over the network in a  
3 plurality of directions simultaneously.

29  
1 37. The method as claimed in claim 34, wherein the  
2 telecommunication signal is modulated using a spread spectrum  
3 technique. --

In the Drawings:

Filed herewith is a separate letter addressed to the  
Official Draftsperson requesting approval of amendments to FIGS.  
1, 8, 9 and 10 and showing the requested changes in red on  
sketches submitted in triplicate.